IN THE CLAIMS:

1-13. (Canceled)

14. (Currently Amended) An apparatus for cleaning of a gas from particles suspended therein comprising:

a centrifugal rotor for rotation of the gas, which centrifugal rotor is rotatable about a rotational axis in two bearings arranged axially spaced from each other and arranged to be charged with lubricant during operation of the centrifugal rotor, ~~and wherein~~

the centrifugal rotor surrounds a channel, which extends axially through the rotor and through which a mist of said lubricant is movable from a space near the centrifugal rotor into contact with one of said bearings; and

wherein the centrifugal rotor has a rotatable central shaft, which is rotatable with the rotor.

15. (Original) An apparatus according to claim 14, wherein said channel extends centrally through the centrifugal rotor.

16. (Currently Amended) An apparatus according to claim 14, wherein the ~~centrifugal rotor has a~~ rotatable central shaft~~, which is rotatable with the rotor and~~ delimits said channel.

17. (Original) An apparatus according to any claim 14, wherein the centrifugal rotor is rotatable by means of pressurized lubricant in a way such that said lubricant mist is generated in said space.

18. (Original) An apparatus according to claim 17, wherein the centrifugal rotor is drivingly connected to a turbine wheel, which is situated in said space.

19. (Original) An apparatus according to claim 17, wherein the centrifugal rotor supports a turbine wheel, which is situated in said space.

20. (Original) An apparatus according to claim 14, wherein the centrifugal rotor has a first axial end, situated in one of within and near said space, the channel through the centrifugal rotor extending from said first axial end of the centrifugal rotor to a second axial end of the centrifugal rotor, where it opens into a lubricant chamber having an outlet arranged such that lubricant mist, which moves through the lubricant chamber, contacts said one bearing.

21. (Original) An apparatus according to claim 20, wherein said one bearing is a ball bearing and is arranged in the outlet of the lubricant chamber.

22. (Original) An apparatus according to claim 20, wherein the centrifugal rotor is supported by a stationary cap, which delimits said lubricant chamber and supports one of said bearings.

23. (Original) An apparatus according to claim 20, wherein the centrifugal rotor has an inlet for gas to be cleaned, situated at said second axial end of the centrifugal rotor.

24. (Original) An apparatus according to claim 20, wherein the centrifugal rotor delimits a central inlet chamber for gas to be cleaned, the outlet from said lubricant chamber communicating with the central inlet chamber.

25. (Original) An apparatus according to claim 14, wherein the centrifugal rotor includes a stack of conical separation discs, arranged coaxially with said rotational axis and which define separation passages between successive discs, said separation passages for receiving flowing gas to be cleaned, therethough.

26. (Original) An apparatus according to claim 14, wherein the centrifugal rotor is supported in a housing by means of two bearings, the interior of the housing being divided by means of a partition into a separation chamber, wherein the main part of the centrifugal rotor is arranged, and said space, in which a lubricating oil mist is present during operation of the centrifugal rotor, and said partition supporting one of said two bearings so that it is kept in contact with the lubricating oil mist in said space without the lubricating oil mist having to pass through said channel through the centrifugal rotor.